

WHAT IS CLAIMED IS:

*Sub
A14* 1. A disposable body fluid absorbent wearing article comprising a liquid-pervious topsheet, a liquid-impervious 5 backsheets and a liquid-absorbent core disposed between said top- and backsheets, wherein:

said topsheet comprises plastic film layer sections each having upper and lower surfaces and a thickness of 0.001 ~ 0.05 mm, liquid-pervious openings defined between respective pairs 10 of the adjacent said plastic film layer sections and a first fibrous layer bonded to the lower surfaces of said plastic film layer sections and immediately underlying said openings, said topsheet having a Klemm's water absorbency lower than 10 mm, each of said openings has a width of 0.05 ~ 1 mm so that a total 15 open area thereof occupies 3 ~ 40 % of a surface area of said topsheet, edges of said plastic film layer sections defining said openings being partially fibrillated so as to form a rising portion having the maximum height of 1.5 mm and component fibers of said first fibrous layer having a fineness of 0.5 ~ 20 dtex 20 and a basis weight of 5 ~ 60 g/m²; and

said core has a second fibrous layer being closely contiguous to the lower surface of said first fibrous layer and a third fibrous layer being closely contiguous to the lower

surface of said second fibrous layer wherein said second fibrous layer has a Klemm's water absorbency is lower than 35 mm but higher than a Klemm's water absorbency of said topsheet by 15 mm or more and said third fibrous layer has a Klemm's water
5 absorbency of at least 35 mm but higher than said Klemm's water absorbency of said second fibrous layer by 15 mm or more.

2. The article according to Claim 1, wherein each of said openings has a width of 0.05 ~ 1 mm and a length corresponding
10 to at least 1.5 times said width.

3. The article according to Claim 1, wherein said topsheet is formed with a plurality of tubular passages extending through said topsheet from its upper surface to its lower surface and
15 said tubular passages having tube walls extending between said upper and lower openings and wherein each of said upper and lower openings has a diameter of 0.1 ~ 5 mm.

4. The article according to Claim 1, wherein said topsheet
20 is formed with a plurality of depressions extending from the upper surface of said topsheet toward the lower surface of said topsheet and terminate within an interior of said first fibrous layer and wherein, on the upper surface of said topsheet, each

SEARCHED
INDEXED
MAILED
FILED

of said depressions has an opening having a diameter of 0.1
5 mm.

5. The article according to Claim 1, wherein one of said
second and third fibrous layers comprises a plurality of fibrous
layers having a Klemm's water absorbency progressively
increasing from the uppermost layer to the lowermost layer.

6. The article according to Claim 1, wherein the edges of
said plastic film layer sections are formed with a plurality
of fibrillated portions so that said plastic film layer sections
may be contiguous to the portions of said first fibrous layer
exposed through said openings between respective pairs of
adjacent said fibrillated portions.

15

7. The article according to Claim 1, wherein said second
fibrous layer contains hydrophilic fibers and has a basis weight
of 20 ~ 50 g/m² and a density lower than 0.05 g/cm³ but higher
than the density of said first fibrous layer.

20

8. The article according to Claim 1, wherein said third
fibrous layer contains hydrophilic fibers and has a basis weight
of 50 ~ 500 g/m² and a density of 0.05 ~ 0.30 g/cm³.

- 19 -

9. The article according to Claim 1, wherein said third fibrous layer contains high absorption polymer grains by 5 - 50 % by weight.

5 10. The article according to Claim 7, wherein said hydrophilic fiber is fluff pulp,

SEARCHED INDEXED
SERIALIZED FILED